

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE
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Patnaik et al.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>glem</i>	4,229,838	10/28/80	Mano	—	—	—
	4,521,564	06/04/85	Solomon et al.	—	—	—
	4,600,652	07/15/86	Solomon et al.	—	—	—
	4,331,697	05/25/82	Kudo et al.	—	—	—
	4,613,517	09/23/86	Williams et al.	—	—	—
	4,642,242	02/10/87	Solomon et al.	—	—	—
	4,678,660	07/07/87	McGary et al.	—	—	—
	4,713,402	12/15/87	Solomon	—	—	—
	4,720,512	01/19/88	Hu et al.	—	—	—
	4,786,556	11/22/88	Hu et al.	—	—	—
	4,973,493	11/27/90	Guire	—	—	—
	4,979,959	12/25/90	Guire	—	—	—
	5,028,597	07/02/91	Kodama et al.	—	—	—
	5,061,777	10/29/91	Yoda et al.	—	—	—
	5,077,352	12/31/91	Elton	—	—	—
	5,077,372	12/31/91	Hu et al.	—	—	—
	5,132,108	07/21/92	Narayanan et al.	—	—	—
	5,134,192	07/28/92	Feijen et al.	—	—	—
	5,171,264	12/15/92	Merrill	—	—	—
	5,244,654	09/14/93	Narayanan	—	—	—
	5,258,041	11/02/93	Guire et al.	—	—	—
✓	5,336,518	08/09/94	Narayanan et al.	—	—	—

glam	5,409,696	04/25/95	Narayanan et al.	—	—	—
↓	5,436,291	09/25/95	Levy et al.	—	—	—
	5,451,424	09/19/95	Solomon et al.	—	—	—

09/885361
08/20/01

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
glam	WO 89/05616	06/29/89	PCT	—	—		
↓	WO 90/00343	01/25/90	PCT	—	—		
	WO 91/15952	10/31/91	PCT	—	—		
	WO 91/19521	12/26/91	PCT	—	—		
	WO 94/10938	05/26/94	PCT	—	—		
	O 263 184 A1	04/13/88	EPO	—	—		
	O 404 515 A2	12/27/90	EPO	—	—		
	O 519 087 A1	12/23/92	EPO	—	—		
↓	O 790 042 A2	08/20/97	EPO	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

glam		Heparin Immobilization by Surface Amplification, Ai-Zhi Piao, Harvey A. Jacobs, Ki Dong Park, and Sung Wan Kim, ASAIO Journal 1992, Slide Forum 26, Biomaterials/Surface Treatments, pp. M638-M643
↓		Heparin Immobilization onto Segmented Polyurethaneurea Surfaces-Effect of Hydrophilic Spacers, by Ki Dong Park, Teruo Okano, Chisato Nojiri, and Sung Wan Kim, Journal of Biomedical Materials Research, Vol. 22, 977-992 (1988)
		SPUU-PEO-Heparin Graft Copolymer Surfaces, Patency and Platelet Deposition in Canine Small Diameter Arterial Grafts by Won Gon Kim Ki Dong Park, Syed F. Mohammad, and Sung Wan Kim
↓		Synthesis and Characterization of SPUU-PEO-Heparin Graft Copolymers, by Ki Dong Park, Al Zhi Piao, Harvey Jacobs, Teruo Okano and Sung Wan Dim, Journal of Polymer Science: Part A: Polymer Chemistry; Vol. 29, 1725-1737 (1991)

U.S. PTO
09/885361
06/20/01

jkm ↓			PEO-Modified Surfaces-In Vitro, Ex Vivo, and In Vivo Blood Compatibility by Ki Dong Park and Sung Wan Kim
			Poly(Ethylene Glycol) Chemistry: Biotechnical and Biomedical Applications, 283-301 (1992)
			In Vivo Nonthrombogenicity of Heparin Immobilized Polymer Surfaces by Chisato Nojiri, Ki Dong Park, David W. Grainger, Harvey A. Jacobs, Teruo Okano, Hitoshi Koyanagi, and Sung Wan Kim

EXAMINER

DATE CONSIDERED

Jennifer Kolb Michener

5/30/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.